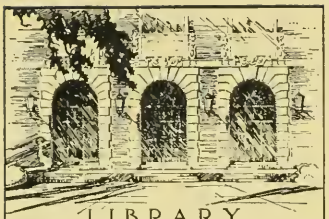

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FACTORS AND FORCES INFLUENTIAL TO ARCHITECTURAL DESIGN: A BIBLIOGRAPHY

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FACTORS AND FORCES INFLUENTIAL TO ARCHITECTURAL DESIGN: A BIBLIOGRAPHY

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Architecture in the past decade has been undergoing many changes. These represent a growing awareness on the part of architects to new considerations (not traditionally considered the concern of architecture) directly related to the development of design solutions. These developments (developments in such areas as methodology, behavior, and perception) are causing a change in the profession of architecture and the education of architects. The architect can no longer remain an isolated dilettante and survive; he must be aware of current developments in other fields related directly to his profession. It will be the effective integration of these developments in related fields which will allow architects to make more effective responses in their design solutions.

The intention of this bibliography is to provide an overview to some of the new developments influencing architectural design. The bibliography by no means represents a totally complete or comprehensive source to all the new developments in fields relating to architecture. There are four major subject headings to the material contained here. None of the subject headings contain a complete or total listing of material available in that area. The intention is to provide a basic background in each area from which further individual investigation should occur. The majority of the listings herein refer specifically to factors influential to the process of architectural design.

The four subject headings are: 1) A Background to the Forces Influencing Architectural Design, 2) Methodology and Architectural Design, 3) Behavior and Architectural Design, and 4) Perception and Architectural Design. The first subject area contains a potpourri of reference material providing a historical and theoretical background to architectural design. The section on methodology provides references to the varying methods applicable to the design process. The behavior section refers to how the understanding of human behavior relates to the formulation of architectural solutions. The last section, perception, has reference to the learning, thinking, creating, and understanding processes related to architecture. The last three sections are synopses of the available material in each area, and are more directed to the particulars of architectural design.

This bibliography was prepared for use by those most directly interested in the field of architecture; students, educators, and practicing professionals. The compiler of this bibliography would welcome any and all comments, criticisms, additions, and deletions of this list.

A BACKGROUND TO THE FORCES INFLUENCING ARCHITECTURAL DESIGN

Abelson, Phillip H. "How Man Shapes His Environment," in American Journal of Public Health, November 1968.

Abrams, Charles. Man's Struggle for Shelter in an Urbanizing World. Cambridge, Mass.: MIT Press, 1964.

_____. The City Is the Frontier. New York: Harper, 1965.

A.I.A.-A.S.C.A. (Marcus Whiffin, ed.). The Teaching of Architecture. Washington: Cranbrook Press, 1964.

_____. The History, Theory and Criticism of Architecture. Cambridge, Mass.: MIT Press, 1965.

_____. The Architect and the City. Cambridge, Mass.: MIT Press, 1966.

_____. Architectural Psychology Newsletter. No. 1 - date Autumn 1967 Salt Lake City, University of Utah, 1967.

Alexander, Christopher. Notes on the Synthesis of Form. Cambridge, Mass.: Harvard University Press, 1964.

_____. "A City Is Not a Tree," in Architectural Forum, April and May 1965.

_____. "Relational Complexes in Architecture," in Architectural Record, September 1966.

_____. "The Theory and Invention of Form," in Architectural Record, April 1965.

_____. "The City as a Mechanism for Sustaining Human Contact," in Environment for Man: The Next Fifty Years, by William Ewald, Jr. (ed.). Bloomington: Indiana University Press, 1967, pp. 60-109.

Aregger, Hans and Glaus, Otto. High Rise Building and Urban Design. New York: Frederick A. Praeger, 1967.

Ashby, W. Ross. An Introduction to Cybernetics. New York: Wiley and Sons, 1963.

Bacon, Edmund. The Design of Cities. New York: Viking Press, 1967.

_____. "The City Image," in Man and the Modern City, by Elizabeth Geen, et. al. Pittsburgh: University of Pittsburgh Press, 1963, pp. 25-32.

_____. "Downtown Philadelphia; A Lesson in Design for Urban Growth," in Architectural Record, vol. 125, no. 5, May 1961, pp. 131-146.

_____. "The Townscape: A Report to the President," in Taming Megalopolis, edited by H. Wentworth Eldredge, vol. 1. Garden City, N.Y.: Doubleday and Co., 1967, pp. 270-273.

_____. "Urban Process," in Daedalus, vol. 97, no. 4, Fall 1968, pp. 1165-1178.

Banham, Reyner. Theory and Design in the First Machine Age. London: The Architectural Press, 1960.

_____. Guide to Modern Architecture. London: The Architectural Press, 1962.

_____. "On Trial," in Architectural Review, February through August 1962.

_____. The New Brutalism. New York: Reinhold Publishing Co., 1966.

_____. The Architecture of the Well-Tempered Environment. Chicago: The University of Chicago Press, 1969.

Bauer, C. Modern Housing. New York: Houghton Mifflin, 1934.

_____. Social Questions in Housing and Town Planning. London: University of London Press, 1952.

Berenson, Bertram. "Sensory Architecture, An Approach to Total Design," in Landscape, Summer 1967.

Bignell, Gault, and Kagan. A Process of Re-Urbanization: Studies of the Urban Environment. New Haven: Yale University Department of Architecture, 1969.

Blake, Peter. God's Own Junkyard: The Planned Deterioration of America's Landscape. New York: Holt, Rinehart and Winston, 1964.

Boulding, Kenneth. The Image. Ann Arbor: University of Michigan Press, 1961.

_____. The Meaning of the 20th Century. New York: Harper Colophon, 1965.

Candilis, Josic and Woods. Building for People. New York: Frederick A. Praeger, 1968.

Chapin, F. Stuart. Urban Land Use Planning. Urbana: University of Illinois Press, 1965.

_____ and Weiss, Shirley F. Urban Growth Dynamics. New York: Wiley and Sons, 1966.

Chermayeff, Serge and Alexander, Christopher. Community and Privacy. New York: Doubleday and Co., 1965.

_____ and Tzonis, Alex. Advanced Studies in Urban Environments. New Haven: Yale University Department of Architecture, 1967.

Cook, Peter. Architecture: Action and Plan. New York: Reinhold Publishing Co., 1967.

Crane, David. "The City Dynamic," in Journal of the American Institute of Planners, May 1960.

_____. "The City Symbolic," in Journal of the American Institute of Planners, November 1960.

_____. "The Public Art of City Building," in The Annals of the American Academy of Political and Social Science, vol. 352, March 1964, pp. 84-94.

_____. "Architecture and the Urban Revolution," in Connection, Winter 1966, pp. 26-31.

Creese, Walter L. The Search for Environment: The Garden City Before and After. New Haven: Yale University Press, 1966.

Crosby, Theo. Architecture: City Sense. New York: Reinhold Publishing Co., 1965.

Cullen, Gordon. Townscape. New York: Reinhold Publishing Co., 1961.

DMG Newsletter V. 1- Dec. 1966 - Berkeley, Sage Publications. (1966-Feb. 1968: Design Methods Group Newsletter. Berkeley, University of California, College of Environmental Design.)

DRS Newsletter, V. 1 M. 1 - date London, Design Research Society, 1968.

Design & Environment. V. 1 - No. 1 - 1969 - Washington, 1969.

Donant, John. World Architecture vols. 1, 2, 3, & 4. London: Studio Vista, 1964, 1965, 1966, 1967.

Doxiadis, C. A. Architecture in Transition. New York: Oxford University Press, 1963.

_____. Between Dystopia and Utopia. Hartford: Trinity College Press, 1966.

_____. Urban Renewal and the Future of the American City. Chicago: Public Administration Service, 1966.

_____. Ekistics: An Introduction to the Science of Human Settlements. New York: Oxford University Press, 1968.

Dreyfuss, Henry. The Measure of Man: Human Factors in Design. New York: Whitney Library of Design, Hill and Wang, 1959.

Duhl, Leonard. The Urban Condition. New York: Simon and Schuster, 1963.

von Echardt, Wolf. A Place to Live: the Crisis of the Cities. New York: Delaconte Press, 1967.

Elias, C. E., Gillies, James, and Riemer, Svend. Metropolis: Values in Conflict. Belmont: Wadsworth Publishing Co., 1964.

Engley, Heinrich. Structure Systems. New York: Frederick A. Praeger, 1968.

Environment and Behavior. Beverly Hills, Calif., Sage Publications, June 1969.

Ewald, William R. (ed.). Environment for Man. Bloomington: Indiana University Press, 1968.

_____. Environment and Change. Bloomington: Indiana University Press, 1968.

_____. Environment and Policy. Bloomington: Indiana University Press, 1968.

Foley, Webber, Dyckman, et. al. Explorations into Urban Structure. Philadelphia: University of Pennsylvania Press, 1967.

Fortune, editors of. The Exploding Metropolis. Garden City, N. Y.: Doubleday and Co., 1958.

Friedmann, J. and Miller, J. "The Urban Field," in Journal of the American Institute of Planners, vol. 31, no. 4, November 1965, pp. 78-84.

Fuller, R. Buckminster. No More Secondhand God. Carbondale: Southern Illinois University Press, 1963.

_____. The Unfinished Epic of Industrialization. Charlotte: Heritage Press, 1963.

_____. Nine Chains to the Moon. Carbondale: Southern Illinois University Press, 1963.

_____. Ideas and Integrities. New York: Macmillan Co., 1969.

Gallion, A. B. and Eisner, S. The Urban Pattern. Princeton: Van Norstrad, 1963.

Gans, Herbert J. "Planning and Social Life: Friendship and Neighbor Relations in Suburban Communities," in Journal of the American Institute of Planners, May 1961, pp. 127-133.

_____. "The Balanced Community," in the Journal of the American Institute of Planners, August 1961.

_____. The Urban Villagers. Glencoe, Ill.: Free Press, 1962.

_____. The Levittowners: Ways of Life and Politics in a New Suburban Community. New York: Pantheon Books, 1967.

Geddes, Patrick. Cities in Evolution. London: Williams and Norgate, Ltd., 1949.

Gibbert, Federick. Town Design. New York: Frederick A. Praeger, 1959.

Giedion, Siegfried. Space, Time, and Architecture. Cambridge, Mass.: Harvard University Press, 1967 (5th Edition).

_____. Mechanization Takes Command. New York: Oxford University Press, 1948.

Goldfinger, Erne. "The Sensation of Space," in Architectural Review, November 1941.

_____. "Urbanism and Spatial Orger," in Architectural Review, December 1941.

_____. "The Elements of Enclosed Space," in Architectural Review, January 1941.

Goodman, Percival and Paul. Communitas. New York: Vintage, 1960.

Green, Elizabeth, Lowe and Walker (eds.). Man and the Modern City. Pittsburgh: Pittsburgh University Press, 1963.

Grille, Paul Jacques. What Is Design. Chicago: Paul Theobald and Co., 1960.

Gropius, Walter. Scope of Total Architecture. New York: Collier, 1962.

_____. The New Architecture and the Bauhaus. Cambridge, Mass.: MIT Press, 1965.

_____, and Bayer, Herbert. Bauhaus 1919 - 1928. Boston: Charles T. Branford, 1952.

_____. Rebuilding our Communities. Chicago: Paul Theobald, 1945.

Gruen, Victor. The Heart of Our Cities. New York: Simon and Schuster, 1964.

Gutkind, E. A. Our World from the Air. Garden City, N. Y., Doubleday and Co., 1952.

Halprin, Lawrence. Cities. New York: Reinhold Publishing Co., 1963.

_____. Freeways. New York: Reinhold Publishing Co., 1966.

_____. "Notation," in Progressive Architecture, July 1965, pp. 126-133.

_____ and Associates. New York, New York. New York: Housing and Development Administration, March 1968.

Handlin, Oscar and Buchard, John (eds.). The Historian and the City. Cambridge, Mass.: MIT Press, 1966.

Hertel, Heinrich. Structure, Form and Movement. New York: Reinhold Publishing Co., 1966.

Hilberseimer, L. Contemporary Architecture: Its Roots and Trends. Chicago: Paul Theobald and Co., 1964.

Hirsch, Weiner Z. Urban Life and Form. New York: Holt, Rinehart and Winston, 1963.

Holland, Laurence B. (ed.). Who Designs America? Garden City, N. Y.: Doubleday/Anchor, 1966.

Howard, Ebenezer. Garden Cities of To-morrow. Cambridge, Mass.: MIT Press, 1965.

Jacobs, Jane. The Death and Life of Great American Cities. New York: Random House, 1961.

_____. The Economy of Cities. New York: Random House, 1969.

Janke, Rolf. Architecture Models. New York: Frederick A. Praeger, 1968.

Jones, J. Christopher and Thornley, D. C. Conference on Design Methods. New York: Macmillan Co., 1963.

Journal of Architectural Education - Published by the A.C.S.A.

Kahn, Herman and Wiener, Anthony J. The Year 2000. New York: Macmillan Co., 1967.

Kahn, Louis I. Mill Creek Redevelopment Plan. Philadelphia: Philadelphia City Planning Commission, 1954.

_____. "Toward a Plan for Midtown Philadelphia," in Perspecta II, Yale Architectural Journal, 1953.

_____. "Order in Architecture," in Perspecta 4, Yale Architectural Journal, 1957.

Keller, Suzanne. The Urban Neighborhood. New York: Random House, 1968.

Kepes, Gyorgy. Language of Vision. Chicago: Paul Theobald and Company, 1961.

_____. The New Landscape. Chicago: Paul Theobald and Company, 1961.

_____. (ed.). Structure in Art and Science. New York: George Braziller, 1965.

_____. (ed.). Education of Vision. New York: George Braziller, 1965.

_____. (ed.). The Nature and Art of Motion. New York: George Braziller, 1965.

_____. (ed.). Module, Proportion, Symmetry, Rhythm. New York: George Braziller, 1966.

_____. (ed.). The Man-Made Object. New York: George Braziller, 1966.

_____. (ed.). Sign Image Symbol. New York: George Braziller, 1966.

Korn, Arthur. And History Builds the Town. New York: British Book Center, 1953.

Kuper, Lee (ed.). Living in Towns. London: Cresset, 1953.

Langer, Suzanne K. Philosophy in a New Key. New York: Mentor Books, 1942.

_____. Feeling and Form. New York: Charles Scribner's, 1953.

_____. Problems of Art. New York: Charles Scribner's, 1957.

Le Corbusier (C. E. Jeanneret-Gris). Towards a New Architecture. New York: Frederick A. Praeger, 1927.

_____. The City of Tomorrow and its Planning. London: Rodlin, 1929.

_____. The Four Routes. London: D. Dobson, 1947.

_____. Concerning Town Planning. London: Architectural Press, 1947. New Haven: Yale University Press, 1948.

_____. The Modulor. Cambridge, Mass.: Harvard University Press, 1954.

_____. Modulor 2. Cambridge, Mass.: Harvard University Press, 1955.

_____. Creation Is a Patient Search. New York: Frederick A. Praeger, 1960.

_____. The Radiant City. New York: The Orion Press, 1964.

_____. When the Cathedrals Were White. New York: McGraw-Hill Book Co., 1964.

_____. Oeuvre Complete (7 vols.). Zurick: Wittenborn.

Lewis, David (ed.). The Pedestrian in the City. Princeton: D. Van Nostrand Co., 1966.

_____. (ed.). Urban Structure. Princeton: D. Van Nostrand Co., 1968.

Lichlider, Heath. Architectural Scale. New York: George Braziller, 1965.

London County Council. The Planning of a New Town (Hook). London: London County Council, 1961.

Lynch, Kevin. The Image of the City. Cambridge, Mass.: MIT Press, 1960.

_____. Site Planning. Cambridge, Mass.: MIT Press, 1962.

_____. "The City as Environment," in Cities by Scientific American. New York: Alfred A. Knopf Inc., 1965.

_____. "Quality in City Design," in Who Design's America? by L. B. Holland (ed.). Garden City, N. Y.: Doubleday-Anchor, 1966, pp. 120-171.

_____, Appleyard, Donald and Myer, John. View from the Road. Cambridge: MIT Press, 1964.

_____, and Rivkin, M. "A Walk Around the Block," in Landscape, Spring 1959.

_____, and Carr, Stephen. "Where Learning Happens," in Daedalus, Fall 1968, pp. 1277-1291.

_____, and Appleyard, D. The Form of a Metropolitan Sector. Cambridge, Mass.: MIT, Department of City and Regional Planning, 1962.

_____, and Rodwin, Lloyd. "A Theory of Urban Form," in Journal of the American Institute of Planners, vol. 24, no. 4, November 1958, pp. 207-214.

Lyndon, Moore, Quinn, and van Der Ryn. "Toward Making Places," in Landscape, Autumn 1962.

Maholy-Nagy, Lazlo. Vision in Motion. Chicago: Paul Theobald and Co., 1947.

Maholy-Nagy, Sibyl. Matrix of Man. New York: Frederick A. Praeger, 1968.

Maki, F. Investigations in to Collective Form. St. Louis: Washington University, Department of Architecture, 1964.

Man and His Environment. V. 1 - Jan. 1968 - Orangeburg, N. Y.

Man - Environment Studies V. 1 No. 1 - Penn. State University, Dept. of Human Development, 1969.

McHale, John. Buckminster Fuller. New York: George Braziller, 1962.

McHarg, Ian. Design with Nature. Garden City, N. Y.: Natural History Press, 1969.

McLuhan, Marshall. Understanding Media. New York: Signet Books, 1964.

_____. The Medium Is the Massage. New York: Bantam Books, 1967.

Mead, Margret (ed.). Cultural Patterns and Technical Change. New York: The New American Library, 1957.

Meier, Richard. A Communications Theory of Urban Growth. Cambridge, Mass.: MIT Press, 1962.

Meyerson, Martin. Housing People and Cities. New York: McGraw-Hill, 1962.

_____. Face of the Metropolis. New York: Random House, 1963.

_____, and Banfield, E. C. Politics, Planning, and the Public Interest. Glencoe: Free Press, 1955.

Ministry of Transportation (Great Britian). Traffic in Towns: A Study of the Long Term Problems of Traffic in Urban Areas. London: H.M.S.O., 1963. (also, Buchanon, Colin. Traffic in Towns. London: H.M.S.O., 1967.)

Moholy-Nagy, Sibylle. Native Genius in Anonymous Architecture. New York: Horizan Press, 1957.

Montgomery, Roger. "Spoons in the Morning, Cities in the Afternoon," in Landscape, Spring-Summer, 1969, pp. 32-38.

_____, and Boxerman, Stuart. "An Applied Mathmatic's Course for Architects and Urban Designers," in American Institute of Architects Journal, May 1968, pp. 97-99.

Mumford, Lewis. Techniques and Civilizations. New York: Harcourt, Brace, 1934.

_____. The Cultures of Cities. New York: Harcourt, Brace, 1938.

_____. The Human Prospect. Boston: The Beacon Press, 1955.

_____. From the Ground Up. New York: Harvest Books, 1961.

_____. The City in History. New York: Harcourt, Brace & World, 1961.

_____. The Highway and the City. New York: Harcourt, Brace & World, 1963.

_____. City Redevelopment. New York: Harcourt, Brace & World, 1945.

Newman, Oscar (ed.). CIAM 1959 in Otterloo. New York: Kramer, 1961.

New York Museum of Modern Art. The New City: Architecture and Urban Renewal. New York: Museum of Modern Art, 1967.

Neutra, Richard. Survival through Design. New York: Oxford University Press, 1954.

_____. Life and Human Habitat. Stuttgart: Koch, 1956.

Norberg-Shultz, Christian. Intentions in Architecture. Cambridge, Mass.: MIT Press, 1965.

Osborn, Frederick and Whittich, Arnold. The New Towns: The Answer to Megalopolis. New York: McGraw-Hill Books, 1963.

Otto, Frei (ed.). Tensile Structures. Cambridge, Mass.: MIT Press, 1965.

Pevsner, Nikolaus. Outline of European Architecture. Baltimore: Penquin Books, 1963.

_____. Pioneers of Modern Design. Baltimore: Penquin Books, 1960.

Propst, Robert. Office: A Facility Based on Change. Chicago: Business Press, 1969.

Pye, David. The Nature of Design. New York: Reinhold Publishing Co., 1964.

Rapoport, Ames and Kanter, Robert E. "Complexety and Ambiquity in Environmental Design," in Journal of the American Institute of Planners, July 1967, pp. 210-221.

Rasmussen, S. E. Towns and Buildings. Cambridge, Mass.: Harvard University Press, 1951.

_____. London: The Unique City. Baltimore: Penquin Books, 1961.

_____. Experiencing Architecture. Cambridge, Mass.: MIT Press, 1962.

Reisman, Leonard. The Urban Process. New York: Free Press of Glencoe, 1964.

Richards, Brian. New Movement in Cities. New York: Reinhold Publishing Co., 1968.

Ritter, Paul. Planning for Man and Motor. New York: Macmillan, 1964.

Rodwin, L. The Future Metropolis. New York: George Braziller, 1961.

Rudofski, Bernard. Architecture Without Architects. New York: Doubleday and Co., 1964.

Saarinen, Eliel. The City. Cambridge, Mass.: MIT Press, 1965.

Sanailco, H. Wallace. Selected Papers on Human Factors in the Design and Use of Control Systems. New York: Dover Publications, 1961.

Santayana, George. The Sense of Beauty. New York: Dover Publications, 1955.

de Sausmarez, Maurice. Basic Design: The Dynamics of Visual Form. New York: Reinhold Publishing Co., 1964.

Scientific American. Cities. New York: Alfred A. Knopf, 1965.

Sert, J. L. Can Our Cities Survive. Cambridge, Mass.: Harvard University Press, 1942.

_____, Tyrwhitt, J., and Rogers, E. H. International Congress of Modern Architecture in the City: Toward the Humanization of Urban Life. London: Humphries, 1952.

Siegal, Curt. Structure and Form in Modern Architecture. New York: Reinhold Publishing Co., 1962.

Sitto, C. (translated by G. R. and C. C. Collons). City Planning According to Artistic Principles. New York: Random House, 1965.

Smithson, Alison (ed.). Team 10 Primer. Cambridge, Mass.: MIT Press, 1968. (originally published in Architectural Design, vol. 32, December 1962.)

_____ and Peter. Urban Structuring. New York: Reinhold Publishing Co., 1967.

Spreiregen, Paul. Urban Design: The Architecture of Towns and Cities. New York: McGraw-Hill, 1965.

_____. The Modern Metropolis. Cambridge, Mass.: MIT Press, 1967.

Stein, C. S. Toward New Towns for America. New York: Reinhold Publishing Co., 1957.

Transportation, Department of. (by the Urban Advisors to the Federal Highway Administration). The Freeway in the City. Washington: U.S. Government Printing Office, 1968.

Tunnard, Christopher. The City of Man. New York: Scribner and Sons, 1953.

_____ and Reed, H. H. American Skyline. New York: Houghton Mifflin, 1953.

_____ and Pushkarev, B. Man-Made America: Chaos or Control? New Haven: Yale University Press, 1963.

Tyrwhitt, J., Sert, J. L., and Rogers, E. H. The Heart of the City. London: Lund Humphries, 1952.

Urban Research News, V. 1 - date, Beverly Hills, Calif., Sage Publications, 1966.

Van der Ryn, Sim. "Dormitories as a Form for Student Living," in Architectural Design, December 1966.

_____. "Unique Impotence of Universal Impact," in American Institute of Architects Journal, January 1967.

_____ and Silverstein, Murray. Dorms at Berkeley: An Environmental Analysis. University of California at Berkeley, Center for Planning and Development Research, 1967.

Venturi, Robert. Complexity and Contradiction in Architecture. Garden City, N. Y.: Doubleday and Co., 1967.

Warner, Jr., Sam Bass. Streetcar Suburbs. Cambridge, Mass.: MIT-Harvard, 1962.

_____ (ed.). Planning for a Nation of Cities. Cambridge, Mass.: MIT Press, 1966.

Weber, Max. The City. (translated by Martindale and Neuwirth) New York: Collier, 1962.

Weiss, Paul. Nine Basic Arts. Carbondale: Southern Illinois University Press, 1961.

White, M. & L. The Intellectual Versus the City. Cambridge, Mass.: Harvard University Press, 1962.

Whitehead, Alfred North. Symbolism: Its Meaning and Effect. New York: Capricorn, 1927.

Whyte, Lancelot Law (ed.). Aspects of Form. Bloomington: Indiana University Press, 1961.

Whyte, William H. The Last Landscape. New York: Doubleday and Co., 1968.

Wiener, Norbert. The Human Use of Human Beings. Garden City, N. Y.: Doubleday and Co., 1954.

_____. Cybernetics. Cambridge, Mass.: MIT Press, 1965.

Williams, Frank and Okamoto, Rai. Urban Design Manhattan. New York: Viking Press, 1969.

Wingler, Hans M. Das Bauhaus. Bramsche, Germany: Verlag Gebr. Rasch and Company and M DuMont Schauberg, 1968.

Wingo, Jr., Lowdon (ed.). Cities and Space. Baltimore: The John Hopkins Press, 1963.

Wright, Frank Lloyd. The Future of Architecture. New York: Horizon Press Inc., 1953.

_____. The Natural House. New York: Horizon Press Inc., 1954.

_____. The Living City. New York: Horizon Press Inc., 1958.

_____. The Disappearing City. New York: W. F. Payson, 1932.

Zevi, Bruno. Storia Dell'Architettura Moderna. Turin, 1950.

_____. Architecture as Space. New York: Horizon Press Inc., 1957.

METHODOLOGY AND ARCHITECTURAL DESIGN

Achoff, R. L. Scientific Method. New York: Wiley and Sons, 1962.

Alexander, Christopher. Notes on the Snythesis of Form. Cambridge, Mass.: Harvard University Press, 1964.

_____. "Information and an Organized Process of Design," in New Building Research, Spring 1961. Building Research Institute Publication 986. Washington: National Academy of Science - National Research Council, 1962, pp. 115-124.

_____. A Muched Asked Question About Computers and Design. Mimeographed, 1964.

_____. "The Pattern of Streets," in Journal of the American Institute of Planners, September 1966.

_____. The Coordination of the Urban Rule System. Unp., University of California at Berkeley, Institute of Urban and Regional Development, 1966.

_____. "Systems Generating Systems," in Systemat, published by Inland Steel Corp., 1967.

_____ and Manheim, Marvin L. The Use of Diagrams in Highway Route Location: An Experiment. Cambridge, Mass., Massachusetts Institute of Technology, School of Engineering, 1962.

_____ and Ishikawa, Sara and Silverstein, Murray. A Pattern Language Which Generates Multi-Service Centers. Berkeley: Center for Environmental Structure, 1968.

Alger, John R. M. and Hays, Carl V. Creative Synthesis in Design. Englewood Cliffs, N. J.: Prentice-Hall, 1964.

Ambasz, Emilio. "The Formulation of a Design Discourse," in Perspecta 12, Yale Architectural Journal, 1969.

Archer, Bruce. Systematic Design for Designers. London: Council of Industrial Design, 1966.

_____. "Computers in Buildings," in The Architect's Journal, vol. 138, no. 3, July 17, 1963, pp. 139-142.

Architectural Design. "Despite Popular Demand . . . AD's Thinking About Architecture and Planning." Vol. XXXIX, September 1969.

Ashby, W. Ross. Design for a Brain. New York: Wiley and Sons, 1960.

_____. An Introduction to Cybernetics. New York: Wiley and Sons, 1963.

Asimow, Morris. Introduction to Design. Englewood Cliffs, N. J.: Prentice-Hall, 1962.

Barnett, Jonathan. "Rational Analysis and Evaluation," in Architectural Record, Building Types Study 360, vol. 6, 1965.

Bernholtz, Allen. "Design and the Computer," in Canadian Architect Yearbook. Toronto: Southern Business Publications, 1965.

Boguslaw, Robert. The New Utopians, A Study of System Design and Social Change. Englewood Cliffs, N. J.: Prentice-Hall, 1965.

Broadven, Jeffery H. "Design Method in Architecture," in The Architect's Journal, September 1966.

Bross, Irwin D. J. Design for Decision. New York: The Macmillan Co., 1953.

Buckley, Walter (ed.). Modern Systems Research for the Behavioral Scientist. Chicago: Aldine Publishing Co., 1968.

Champion, David. Computers in Architectural Design. Amsterdam, N. Y.: Elsevier Publishing Co., 1968.

Churchman, C. West. Prediction and Optimal Decision. Englewood Cliffs, N. J.: Prentice-Hall, 1961.

_____. The Systems Approach. New York: Dell Paperback, 1969.

Eco, Umberto. La Struttura Assente. Milan: Bompiani, 1968.

Feigenbaen, E. J. and Feldman J. (eds.). Computers and Thought. New York: McGraw-Hill, 1963.

von Forester, H. "Logical Structure of the Environment and its Internal Representation," International Design Conference, Aspen, 1962.

Gagne, Robert M. Psychological Principles in Systems Development. New York: Holt, Rinehart and Winston, 1962.

Gordon, William J. J. Synetics. New York: Harper and Row, 1961.

Gregory, S. (ed.). The Design Method. New York: Plenum Press, 1966.

Hassid, Sami. "Systems of Judgement of Architectural Design," in New Building Research, Spring 1961.

Isard, Walter. Methods of Regional Analysis. Cambridge, Mass.: MIT Press, 1960.

Jones, Barclay C. "Design With Knowledge, Not Belief," in American Institute of Architects Journal, December 1962.

_____. Teaching Urban Design as a Decision Making Process. Mimeograph, January 1962.

_____. "Design Process and Decision Theory," in The Teaching of Architecture, Marcus Whiffin (ed.). Washington: Cranbrook Press, 1964, pp. 103-128.

Jones, J. Christopher. "Design Methods Compared," in Design (British), August and September 1966.

_____ and Thornley, D. G. Conference on Design Methods. New York: Macmillan Co., 1963.

Manheim, M. L. Hierarchical Structure: A Model of Design and Planning Process. Cambridge, Mass.: MIT Press, 1966.

May, Hayden Barkley. A Bibliography of Approaches to the Design Process through Systems Analysis and Computer Applications. Cornell University, Department of City and Regional Planning, June 1965.

Middleton, Michael. Group Practice in Design. New York: George Braziller, 1967.

Milne, Murray (ed.). Computer Graphics in Architecture and Design. New Haven: Yale University, School of Art and Architecture, 1969.

Moore, Gary and Gay, Lynne Meyer. Creative Problem Solving in Architecture. University of California at Berkeley, Department of Architecture, mimeo, 1967.

Nelson, George. Problems of Design. New York: Whitney Publications, Inc., 1965.

von Neumann, J. The Computer and the Brain. New Haven: Yale University Press, 1958.

Polya, G. How to Solve it. Garden City, N. Y.: Doubleday/Anchor, 1957.

Popper, Karl, R. The Logic of Scientific Discovery. New York: Harper & Row, 1965.

Progressive Architecture. "Performance Design," August 1967.

Rittel, Horst, et. al. Techniques for the Measurement of Performance. University of California at Berkeley, Department of Architecture, 1965.

Rusch, Charles W. The Psychology Bans for an Incremental Approach to Architecture. University of California at Berkeley, Department of Architecture, 1966.

_____ and Koenig, D. M., et. al. Mental Health Services at the Community Level. University of California at Berkeley, Department of Architecture, 1965.

Scientific American. Automatic Control. New York: Simon and Schuster, 1955.

Starr, Martin Kenneth. Product Design and Decision Theory. Englewood Cliffs, N. J.: Prentice-Hall, 1963.

Studer, Raymond G. "On Environmental Programming," in Arena (Architectural Association Journal), vol. 81, no. 902, May 1966.

_____. Environmental Fit and the Dynamics of Living Systems: Some Methodological Issues. Paper presented at the B.A.C. Conference of Design Methodology, Boston, Mass., May 6, 1967.

Thrall, R. M., et. al. Decision Process. New York: Wiley and Sons, 1954.

Wanzel, J. G. "Systems and Society," in Architectural Design, October 1969.

Wheeler, Jr., C. Herbert. Bibliography of Architectural Programming. Pennsylvania State University, Department of Architectural Engineering, June 1969.

Wiener, Norbert. The Human Use of Human Beings. Garden City, N. Y.: Doubleday and Co., 1954.

_____. Cybernetics. Cambridge, Mass.: MIT Press, 1965.

BEHAVIOR AND ARCHITECTURAL DESIGN

Archer, John. "Bibliography on Behavior and Environment," in Architectural Psychology Newsletter, February 1969.

Berelson, Bernard and Steiner, Gary. Human Behavior: An Inventory of Scientific Findings. New York: Harcourt, Brace and World, Inc., 1964.

Bogardus, E. S. Social Distance. Yellow Springs, Ohio: Antioch Press, 1959.

Brodey, Warren. "Sound and Space," in American Institute of Architects Journal, vol. 42, July 1964, pp. 58-60.

Broady, Maurice. "Social Theory in Architectural Design," in Arena (Architectural Association Journal), vol. 81. no. 898, January 1966.

Carr, Harvey A. An Introduction to Space Perception. New York: Hafner Publications, 1966.

Cohen, Harold. "Behavioral Architecture," in Architectural Association Journal, London, England, July 1964.

Feldman, Arnold S. and Tilly, Charles. "The Interaction of Social and Psysical Space," in American Sociological Review, vol. 25, no. 6, December 1960.

Gutman, Robert. The Briefing Process in Architecture. Report #4, Urban Studies Center, Rutgers University, mimeo., 1966.

_____. "Site Planning and Social Behavior," in The Journal of Social Issues, vol. XXII, no. 4, October 1966.

_____. Towards a Theory of Housing. Rutgers University, Department of Sociology and Urban Studies Center.

_____. Sociology in Architectural Education. Rutgers University, Department of Sociology and Urban Studies Center.

_____. A Sociologist Looks at Housing. Rutgers University, Department of Sociology and Urban Studies Center.

_____. Questions Architects Ask. Rutgers University, Department of Sociology and Urban Studies Center.

_____. "Architect's Programming Practice and Sociological Implications," in Building Research, Fall 1968.

Hall, Edward T. The Silent Language. Garden City, N. Y.: Doubleday and Co., 1959.

_____. "The Language of Space," in Landscape, Fall 1960. (reprinted in the American Institute of Architects Journal, February 1961).

_____. "What is Quality?" in the American Institute of Architects Journal, July 1963.

_____. "Proxemics: The Study of Man's Spatial Relations," in Man's Image in Medicine and Anthropology. New York: International University Press, 1963.

_____. The Hidden Dimension. Garden City, N. Y.: Doubleday and Co., 1966.

_____. "Seeing and Believing," in Architectural Review, August 1968.

_____. "The Maddening Crowd," in Landscape, Fall 1962.

Osmond, Humphry. "The Relationship Between Architect and Psychiatrist," in C. Geshen (ed.), Psychiatric Architecture. Washington, D. C.: American Psychiatric Association, 1959.

Progressive Architecture. "The Psychological Dimension of Architecture." April 1965.

Rosow, Irving. "The Social Effects of Physical Environment," in Journal of the American Institute of Planners, vol. XXVII, May 1961.

Sommer, Robert. "Mans Proximate Environment," in Journal of Social Issues, October 1960.

_____. "The Significance of Space," in American Institute of Architects Journal, May 1965.

_____. Personal Space: The Behavioral Base of Design. Englewood Cliffs, N. J.: Prentice-Hall, 1969.

_____ and Whitney, G. "Design for Friendship," in The Canadian Architect, 1961.

Spivack, Mayer. Bibliography: Physical Environment and Behavior. Harvard Medical School, Department of Psychiatry.

Starts, Arthur W. Complex Human Behavior. New York: Holt, Rinehart and Winston, 1963.

Studer, Raymond G. Behavior-Contingent Architecture: Some Implications for Experimental Communities. Paper presented at the 1966 Conference on the Experimental Community, Racine, Wisconsin, December 28, 1966.

_____. "Behavioral Manipulation," in Connection, Fall 1967, pp. 6-13.

_____ and Stea, David. "Architectural Environments and Human Behavior," in The Journal of Social Issues, 1966.

_____ and Stea, David. "Architectural Programming, Environmental Design, and Human Behavior," in The Journal of Social Issues, vol. XXII, no.4.

Wheeler, C. Herbert, Jr. Bibliography on Architectural Programming. Pennsylvania State University, Department of Architectural Engineering, June 1969.

Wheeler, Lawrence. Behavioral Research for Architectural Planning and Design. Terre Haute: Erving Miller, Associates, 1967.

Winkel, G. and Sasanoff, R. Approaches to an Objective Analysis of Behavior in Architectural Space. Unp., University of Washington, College of Architecture and Urban Planning, 1964.

PERCEPTION AND ARCHITECTURAL DESIGN

Allport, F. Theories of Perception and the Concept of Structure. New York: Wiley and Sons, 1955.

Arnheim, R. Art and Visual Perception. Berkeley: University of California Press, 1954.

Bartlett, F. C. "Thinking," in Manchester Memories, XCIII, no. 3, The Clayton Memorial Lectures, 1951.

Berlyne, D. O. Structure and Direction in Thinking. New York: Wiley and Sons, 1965.

Bruner, Jerome. A Theory of Instruction. New York: Wiley and Sons, 1956.

_____, et. al. A Study of Thinking. New York: Wiley and Sons, 1956.

_____. "On Perceptual Readiness," in Readings in Perception by Beardslee and Wertermer. Princeton: Van Nostrand, 1968, pp. 686-729.

Canter, David V. "Office Size, An Example of Psychological Research in Architecture," in The Architect's Journal, April 1968.

Duncan, C. P. "Recent Research on Human Problem Solving," in Psychological Bulletin, November 1959, pp. 397-429.

Eastman, Charles. Explorations of the Cognitive Process in Design. ARPA Report, DDC no. AD 671-1 58, Defense Department Document Center, Alexanderia, Virginia.

Forgus, Ronald H. Perception. New York: McGraw-Hill, 1966.

Geddes, Robert L. "The Psychological Dimension of Architectural Space," in Progressive Architecture, April 1965.

Ghiselin, K. (ed.). The Creative Process. Berkeley: University of California Press, 1952.

Harper, R. J., et. al. The Cognitive Process: Readings. Englewood Cliffs, N. J.: Prentice-Hall, 1964.

Hochberg, Julian. Perception. Englewood Cliffs, N. J.: Prentice-Hall, 1964.

Ittelson, William H. Visual Space Perception. New York: Springer, 1960.

Klein, G. S. "The Personal World Through Perception," in Perception: An Approach to Personality, by R. R. Blake and G. V. Ramsey (eds.). New York: Ronald Press Co., 1951.

Kohler, W. Gestalt Psychology. New York: New American Library, 1947.

Mays, W. "How We Form Concepts," in Science News, XXXV, 1955, pp. 11-23.

McKim, Robert. "Visual Thinking and the Design Process," in Engineering Education, March 1868, pp. 795-799.

Mednick, S. A. "The Associative Basis of the Creative Process," in Psychological Review, vol. 69, no. 3, 1962, pp. 220-232.

Newell, A., et. al. "Elements of a Theory of Human Problem Solving," in Psychological Review, March 1965, pp. 151-166.

Norberg-Shulz, Christian. Intentions in Architecture. Cambridge, Mass.: MIT Press, 1965.

Osborne, A. Applied Imagination. New York: Scribner, 1963.

Panefsky, Erwin. Meaning in the Visual Arts. New York: Doubleday/Anchor Books, 1957.

Piaget, J. The Psychology of Intelligence. London: Routledge & Paul, 1950.

_____. Logic and Psychology. Manchester, England: Manchester University Press, 1953.

_____. "Structures Opérationelles et Cybernétique," in Année Psychol, LIII, 1953, pp. 379-388.

Rusch, Charles W. "Symbol Formulation and Communication," in American Institute of Architects Journal, December 1967.

Segall, M. H., et. al. The Influences of Culture on Visual Perception. New York: Bobbs-Merrill, 1966.

Simon, Herbert A. Models of Man. New York: Wiley and Sons, 1957.

Skinner, B. F. "The Science of Learning and the Art of Teaching," in Harvard Educational Review, XXIV, 1954, pp. 86-97.

Smith, I. McFarlane. Spatial Ability. San Diego: R. R. Knapp, 1964.

Stripe, Robert. Perception and Environment: Foundation of Urban Design. Chapel Hill: University of North Carolina, Institute of Government, 1966.

Vernon, M. D. The Psychology of Perception. Baltimore: Penquin Books, 1962.

Vinacke, W. E. The Psychology of Thinking. New York: McGraw-Hill, 1962.

Wertheimer, Max. Productive Thinking. New York: Harper, 1959.

Westcott, Malcom. Toward a Contemporary Psychology of Intuition. New York: Holt, Rinehart, and Winston, 1968.

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